

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Ramakrishnan et al.	Examiner:	Unassigned
Serial No.:	Unassigned	Group Art Unit:	Unassigned
Confirmation No:	Unassigned	Docket:	1209-50
Filed:	Unassigned	Dated:	March 19, 2004

For: METHOD AND APPARATUS
FOR INCREASING SURVIVABILITY
IN IP NETWORKS

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Commissioner for Patents
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EXPRESS MAIL CERTIFICATE

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Suzanne B. Salo-Terrano
Name (Print)

Suzanne B. Salo-Terrano
Signature

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.
§1.56, Applicants submit herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

UNITED STATES PATENTS

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Mishra et al.	5,805,599	Sep. 8, 1998
Mishra et al.	5,946,324	Aug. 31, 1999
Ramakrishnan	5,974,028	Oct. 26, 1999

NON-PATENT PUBLICATIONS

1. **Author:** D. Awduche, A. Chiu, A. Elwalid, I. Widjaja, and X. Xioa; **Title:**
"Overview and Principals of Internet Traffic Engineering," Request for Comments

(Informational); *Internet Engineering Task Force*, RFC 3272; **Date of Publication:** May 2002; **Place of Publication:** United States.

2. **Author:** S. Ramamurthy and B. Mukherjee; **Title:** "Survivable WDM Mesh Networks, Part 1 - Projection"; in *Proc. INFOCOM'1999*; **Date of Publication:** 1999; **Place of Publication:** United States.

3. **Author:** B. Fortz, J. Rexford, and M. Thorup; **Title:** "Traffic Engineering with Traditional IP Routing Protocols"; *IEEE Communications Magazine*, 118-124; **Date of Publication:** October 2002; **Place of Publication:** United States.

4. **Author:** Y. Wang, Z. Wang, and L. Zhang; **Title:** "Internet Traffic Engineering Without Full Mesh Overlaying"; *Proc. INFOCOM'2001*; **Date of Publication:** 2001; **Place of Publication:** United States.

5. **Author:** C. Labovitz, A. Ahuja, and F. Jahanian; **Title:** "Experimental Study of Internet Stability and Wide-Area Backbone Failures"; *Proc. FTCS'1999*; **Date of Publication:** 1999; **Place of Publication:** United States.

6. **Author:** A. Feldmann, A. Greenberg, C. Lund, N. Reingold, J. Rexford, and F. True; **Title:** "Deriving Traffic Demands for Operational IP Networks; Methodology and Experience"; *IEEE/ACM Transactions on Networking*, 9(3):265-279; **Date of Publication:** June 2001; **Place of Publication:** United States.

7. **Author:** G. Li, D. Wang, C. Kalmanek, and R. Doverspike; **Title:** "Efficient Distributed Path Selection for Shared Restoration Connections"; *Proc. INFOCOM'2002*; **Date of Publication:** 2002; **Place of Publication:** United States.

8. **Author:** D. Katz, D. Yeung, and K. Kompella; **Title:** "Traffic Engineering Extensions to OSPF Version 2"; *INTERNET-DRAFT*, draft-katz-yeung-ospf-traffic-09.txt; **Date of Publication:** September 2003 (work in progress).

9. **Author:** C. Alaettinoglu, V. Jacobson, and H. Yu; **Title:** "Towards Millisecond IGP Convergence"; in *NANOG 20*; **Date of Publication:** October 2000; **Place of Publication:** United States.

10. **Author:** A. Maunder and G. Choudhury; **Title:** "Explicit Marking and Prioritized Treatment of Specific IGP Packets for Faster IGP Convergence and Improved Network Scalability and Stability"; *INTERNET-DRAFT*, draft-ietf-ospf-scalability-00.txt; **Date of Publication:** March 2001, (work in progress).

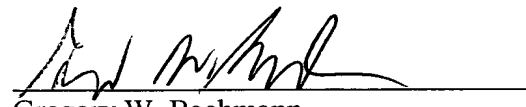
11. **Author:** M. Goyal, K.K. Ramakrishnan, and W. Feng; **Title:** "Achieving Faster Failure Detection in OSPF Networks"; in *Proc. ICC'2003*; **Date of Publication:** May 2003; **Place of Publication:** United States.

12. **Author:** M. Goyal; **Title:** "Internet Traffic Engineering: QoS Translation and Survivability"; Dissertation; **Date of Publication:** 2003; **Place of Publication:** The Ohio State University, United States.

The above-referenced documents are listed on PTO Form 1449. We have enclosed the cited documents to facilitate reference to them.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 1209-50	SERIAL NO. Unassigned
	APPLICANT Ramakrishnan et al.	CONFIRMATION NO. Unassigned
	FILING DATE Herewith	GROUP Unassigned

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

U.S. PATENT DOCUMENTS

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		5,805,599	Sep. 8, 1998	Mishra et al.			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		1.	Author: D. Awduche, A. Chiu, A. Elwalid, I. Widjaja, and X. Xioa; Title: "Overview and Principals of Internet Traffic Engineering," Request for Comments (Informational); <i>Internet Engineering Task Force</i> , RFC 3272; Date of Publication: May 2002; Place of Publication: United States.
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